

Style
M8 plug, shielded
6 pin
A-coding

Ratings
Voltage: 30 V
Current: 1 A

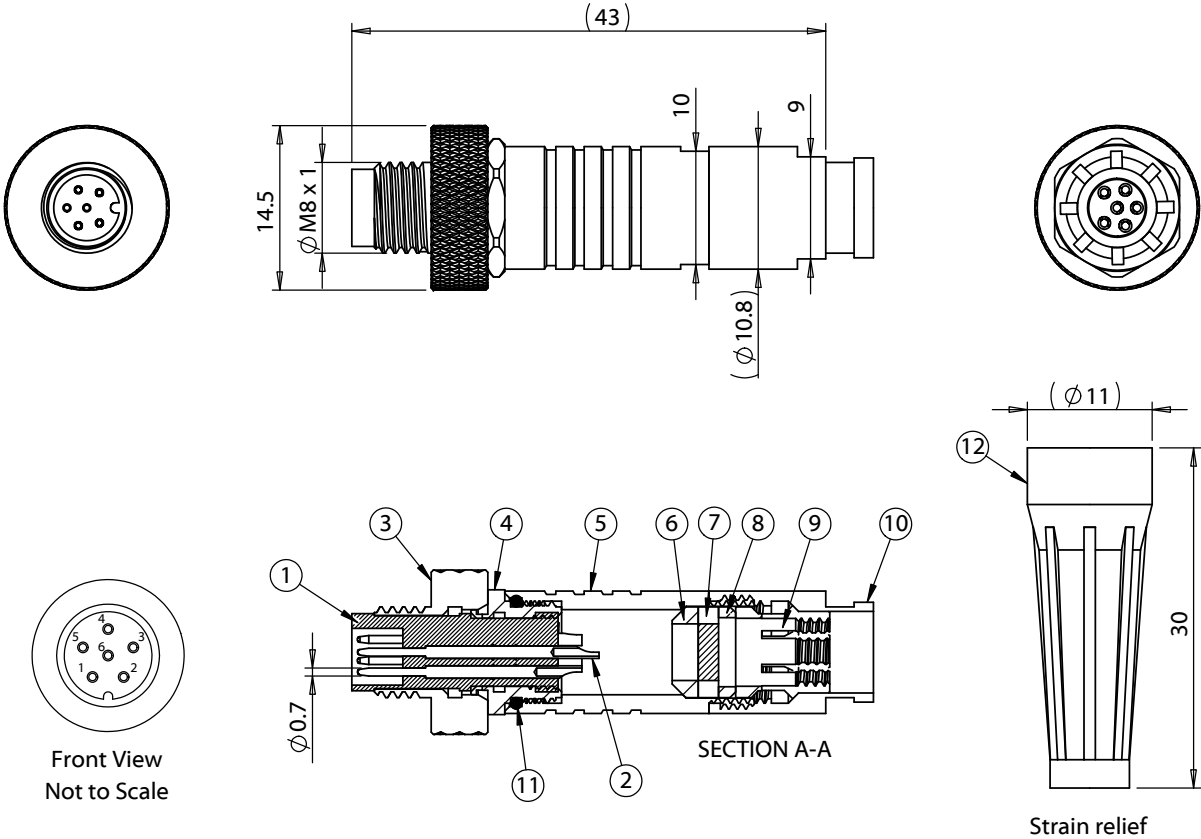
Operating Temperature Range
-40 ~ 105°C

- Materials**
- ① Insulator: Polyamide 66 (PA66), UL94 HB, black
 - ② Pin: Phosphor copper, gold flashing
 - ③ M8 Shell: HPB59 Brass, nickel plated
 - ④ Hexagonal housing: HPB59 Brass, nickel plated
 - ⑤ Outer Shell: HPB59 Brass, chrome plated
 - ⑥ Grounding cone: HPB59 Brass, nickel plated
 - ⑦ Gasket: Silicone rubber, black
 - ⑧ Washer: HPB59 Brass, nickel plated
 - ⑨ Collet nut: HPB59 Brass, nickel plated
 - ⑩ Collet: HPB59 Brass, chrome plated
 - ⑪ O-ring: Silicone rubber, black
 - ⑫ Strain relief: TPU, black

Electrical Requirements
Insulation resistance: 100 MΩ @ 500 Vdc
Contact resistance: 10 mΩ or less

Mechanical Requirements
Life cycle: 1000 mating cycles minimum

Assembly Info
Waterproof: IP67
Suitable cable OD: 3 ~ 6.2 mm
Terminal style: solder cup
Max torque force:
M8 shell: 0.4 Nm
Collet nut: 0.8 ~ 1.0 Nm



Revision:	Date:	Description:	Prepared:	Notes:	TENSILITY tel 1.541.323.3228 800 877.670.7118 fax 1.541.323.4202 web tensility.com		
A	06/10/2026	Initial release	Verified:	RoHS compliant Function test: no open, no short circuit, no intermittent			
			Dimensions are in millimeters. Tolerances: X: ± 0.3 mm X.X: ± 0.1 mm X.XX: ± 0.05 mm	Description: Connector, M8 A-code plug, 6 pin, 8xL43 mm, assembly style, solder cup, gold plated, IP67, shielded	Size: A	Part number: 55-00481	Sheet 1 of 1
					Scale: 3:2		